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(54) Title: COMPRESSION OF HYPERDATA WITH ORASIS MULTISEGMENT PATTERN SETS (CHOMPS)		
<p>(57) Abstract</p> <p>The Intelligent Hypersensor Processing System (IHPS) is a system for the rapid detection of small, weak, or hidden objects, substances, or patterns embedded in complex backgrounds, providing fast adaptive processing for demixing and recognizing patterns or signatures in data provided by certain types of "hypersensors". This system represents an alternative to prior systems for hidden object detection by solving the problems encountered when attempting to detect hidden objects/targets in dynamic scenarios at real-time. The CHOMPS version of IHPS provides an efficient means of processing, compressing and manipulating the vast quantities of data collected by the sensors. CHOMPS uses the Adaptive Learning Module Pipeline to construct a compressed data set, along with the necessary scene mapping data, facilitating the efficient storage, download and the later reconstruction of the complete data set with minimal deterioration of signal information.</p>		

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